

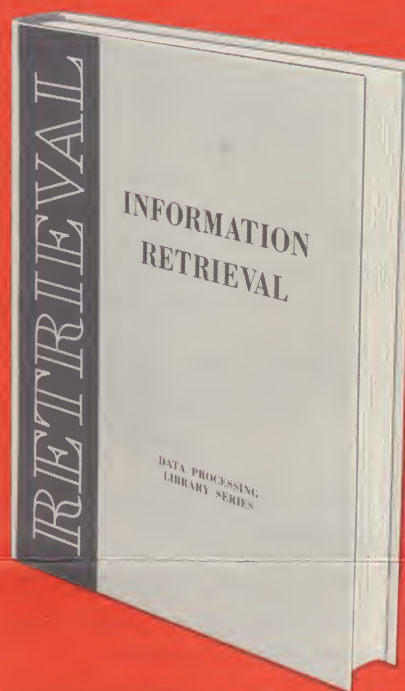
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A new dimension in science information is presently in the developmental stage; there is as yet no single philosophy, approach, or set of conclusions.

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Information Retrieval Management contributes to a better understanding of the science information process, and provides helpful guidelines for managers and information specialists. In this volume is represented the thinking of the leading experts in this field, who offer their points of view, opinions and reports of experience to assist management in formulating its role in the systems approach for storage and retrieval of information.

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CONTENTS OF INFORMATION RETRIEVAL MANAGEMENT

- | | |
|---|--|
| 1 The Systems Concept in Documentation
— LOWELL H. HATTERY | 10 Documentation Needs of Scientists
— HELEN L. BROWNSON |
| 2 What Must Give in the Documentation Crisis?
— CHAUNCEY D. LEAKE | 11 Communication Between Computer and User in Information Searching
— WILLIAM B. KEHL |
| 3 A System of Information Systems
— JULIUS N. CAHN | 12 Automated Intelligence Systems
— H. T. LUHN |
| 4 Status of Technical Information Centers
— PAUL W. HOWERTON | 13 Guidelines to Mechanizing Information Systems
— C. DAKE GULL |
| 5 Functions of a Technical Information Center
— JOHN SHERROD | 14 Compatibility of Information and Data Systems Within a Company
— HATTIE T. ANDERSON |
| 6 Technical Information Services in an Industrial Organization
— W. C. ASBURY & J. E. MOISE | 15 Economic Justification — Factors Establishing Systems Costs
— SIMON M. NEWMAN |
| 7 Designing an Information Center to Meet a Real System Requirement
— DeWITT O. MYATT | 16 International Activities in Documentation
— KARL F. HEUMANN |
| 8 Management's Evaluation of Information Services
— JAMES HILLIER | 17 Computers, Communications, and Science—Extending Man's Intellect
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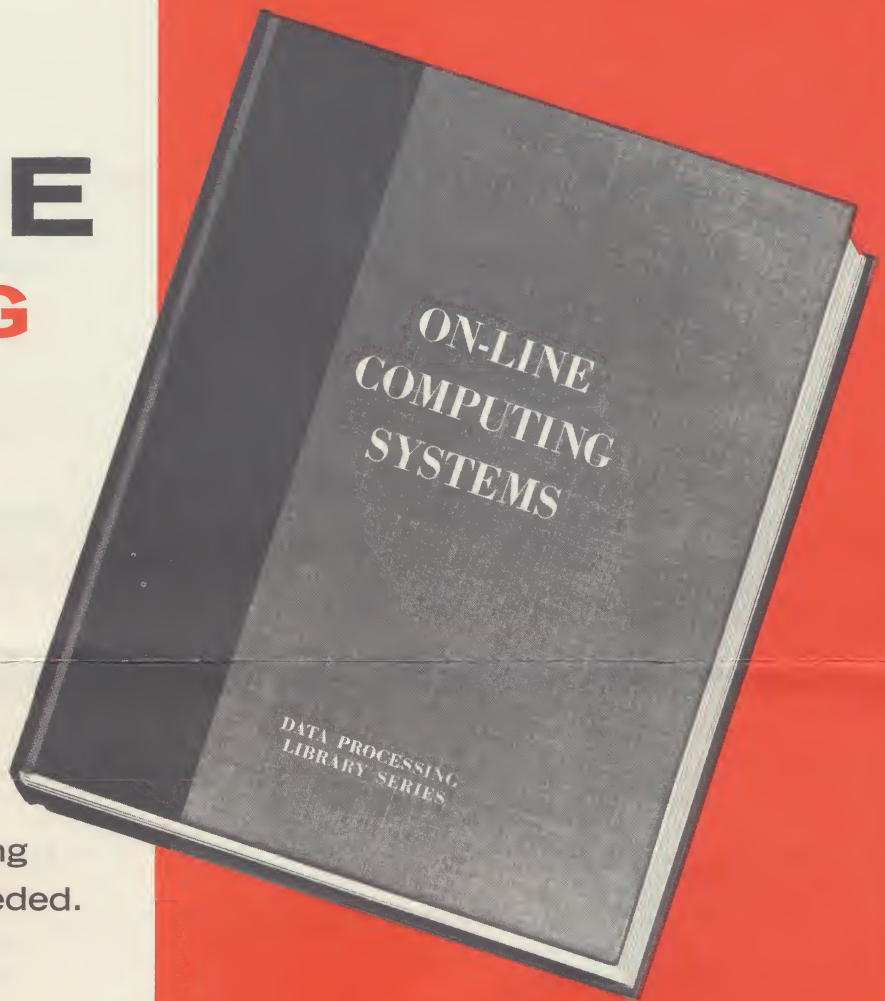
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The second important class includes computer systems to which several interrogation and display devices are connected, thus establishing man/machine communication. Examples are found in military command and control systems, space vehicle command and control systems, and various commercial systems.

This book considers both classes of on-line systems. In addition, it covers, with a considerable degree of thoroughness, the principles, disciplines, and practices which are applicable to on-line systems design, both in machinery and programming.

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The outlook is for information displays, controlled from a display console, to become a major managerial tool. As costs decrease, system programs are designed, and companies improve information input quality and establish data banks, the use of display systems will increase. The technology is available now. It remains for management to want sufficiently to take the steps to install this new technology as a system subset of the total institutional information system.

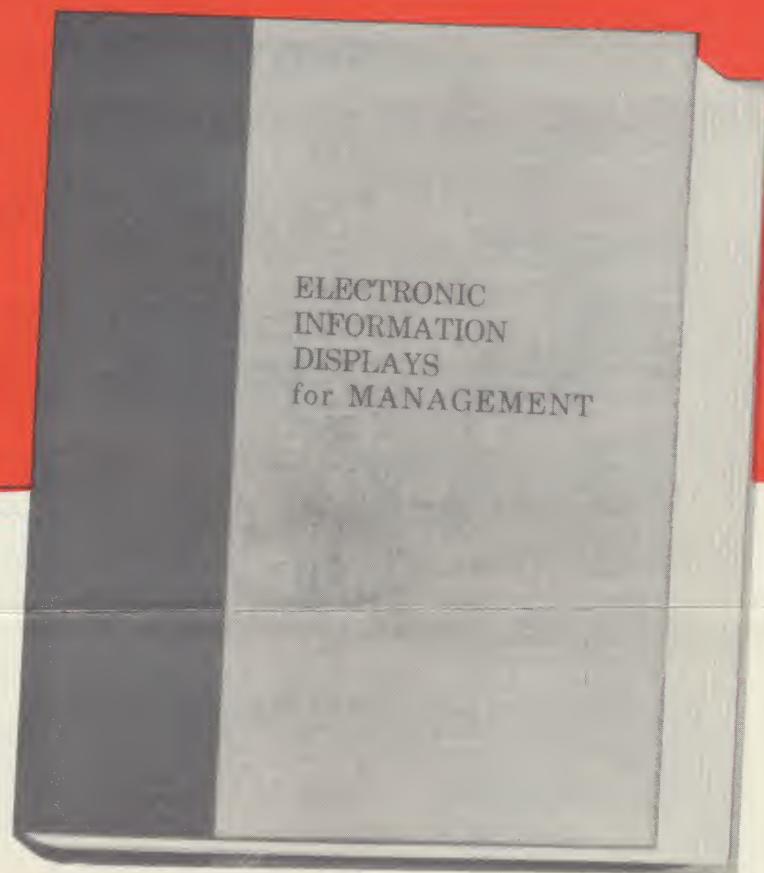
The information presented in this book is primarily for managers. Yet the specialist too can get an overall view of the electronic information display field, covering disciplines with which he may not now be sufficiently familiar. And it will assist him in his day to day specialized work by highlighting different applications for display usage. The author's purpose has been to put together in a single volume material on electronic information displays that has been widely dispersed and unconnected, and thus not readily accessible to the busy manager.

The book is organized to facilitate its use for reference purposes. Each chapter takes up a specific topic. The introductory chapter presents the historical background of displays, and describes briefly their potential significance for management.

In order to establish the frame of reference for information displays in management use, and to provide a base for the remainder of the book, a general description of management information systems is included. Additionally, since most of the sophistication in information displays has been in military systems, it has been considered proper to differentiate between the basic requirements of these two areas of use.

The principal purpose of considering information display subsystems is to provide better communication with the data processing facility. Accordingly, this book gives an overview of the display system in relation to man-machine communications. Further, the general concept of the information display system is presented. The two-way aspect of communication is emphasized.

This book should prove an important guide to managers who must be alert to using the new tools of executive information and control systems. In addition to clear delineation of the role of displays, there are several important reference features — bibliography, glossary, names and addresses of manufacturers of display equipment, and cost information.



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ABOUT THE AUTHOR

from the foreword by Lowell H. Hattery, Professor of Management and Public Administration, The American University

Rear Adm. James H. Howard, USN, (Ret.) is well-qualified to describe, evaluate and give guidance to management on information display systems. As a career naval officer he was intimately acquainted with advanced communications systems and with the requirements of command and control systems. He understands managerial information requirements for decision-making. At The American University he was engaged in digital computer education and gave leadership to the development of symposia and studies related to electronic displays and communications systems. He is a Fellow and Charter Member of the Society for Information Display.

SEE BACK OF PAGE FOR DETAILED DESCRIPTION OF CONTENTS

CONTENTS OF INFORMATION DISPLAY SYSTEMS

I. DISPLAY SYSTEMS AND MANAGEMENT

Definitions and Parameters
Background of Electronic Display Development

II. ELECTRONIC DISPLAY FOR MAN-MACHINE COMMUNICATION

Need for Electronic Display
Display Modes and Criteria
Display Categorization and Classification
Group and Individual Displays
The Display System
Console Display Devices
A Typical On-Line Display Application
Information Retrieval Display Console

III. EQUIPMENT FOR INFORMATION DISPLAY

Techniques of Display
Panel Displays
Electroluminescent (EL) Panel
Cathode Ray Tube (CRT)
Direct View Storage Tube (DVST)
Scan Conversion Tube
Special CRT's
Character Generation
Projection Presentations
Film Projection Systems
Electromechanical Systems
Light Valve Projection Systems
The X-Y Plotter
Typical Examples of Information Display Hardware
Projection Systems
Consoles
Information Retrieval Units
Computer Peripheral Equipment

Electronic Typewriters
Miscellaneous Devices and Components
Indicators

Graphical Data Reduction Equipment
Summary Description of Display Equipment
Critical Reviews

IV. THE MANAGEMENT INFORMATION SYSTEM

General
Subsystems of the Management Information System
Digital Computers in Management Information Systems
Display Usage in Management Information Systems
Navy Management Information System, an Example
The Military System Versus the Business System
Summary

V. STATUS OF MANAGEMENT INFORMATION DISPLAY SYSTEMS

General
The Management Control Center
Defense Supply Agency
Douglas Aircraft Company, Incorporated
United Air Lines
Kinds of Information Displayed
Operations Management
Performance Appraisal — Industrial
Contract Performance Evaluation and
Project Management
Defense Supply Agency
Transportation, Policy Level
Tabulation of Computer-Generated Chart Displays
The Information Retrieval Display System
Information Retrieval — Insurance
Information Retrieval — Inventory (NASO)

Information Retrieval — Inventory (AFLC)
Information Retrieval — A Concept for Technical
and Science Information Centers
Industries and Applications for Possible Display
Usage
Selected Related Applications and Techniques
Summary

VI. PROBLEMS FOR MANAGEMENT IN ACHIEVING DISPLAY SYSTEMS

Determination of Requirements
A Basis for Systems Design
Programming for Displays
Installation
Cost Considerations
Data Communications
Some Other Factors Influencing Selection of Displays
Summary

VII. SUMMARY, EVALUATION, AND ACTION

Summary
Evaluation
Action

BIBLIOGRAPHY

APPENDIX A — DISPLAY CATEGORIZATION AND CLASSIFICATION

APPENDIX B — MANUFACTURERS OF INFORMATION DISPLAY EQUIPMENT

APPENDIX C — TYPICAL COSTS OF DISPLAY DEVICES AND EQUIPMENT

APPENDIX D — GLOSSARY OF SELECTED TERMS INDEX

LIST OF ILLUSTRATIONS

Combat Operations Center, Headquarters, NORAD

Artist's Concept of Large Area Display
Artist's Concept of Small Area Display
Artist's Concept of Desk Top Display
Artist's Concept of Integrated Desk Displays
Information Display Storage and Retrieval Methodology
Rome Air Development Center's Generalized Model for
Data Display Subsystems
Functional Diagram of Projection Display System
Functional Diagram Console Display System
Bunker-Ramo Model 85 Display Console
Interchangeable Keyboard Overlays Used with
the Model 85 Display Console
Display Console Showing Light Gun
Typical Displays on Information Displays, Inc.
Computer Controlled Display
Examples of Graphic and Tabular Formats for
Computer-Generated Electronic Displays
Typical Inquiry Unit Keyboard Showing Function Keys
as well as Numeric Keys

Ultronics Systems Corporation Stock Market
Quotation Board Using NIXIE® Tubes
Artist's Concept of Modular Technique for Panel Displays
Simplified Functional Diagram Cathode Ray Tube (CRT)
Functional Schematic of Slide Generator for Film System
Exploded View of Plotting Projector System
in Electromechanical Projection System
Typical Curve Prepared on a CALCOMP X-Y Plotter
from Computer Output
A Vigicon System: Display and Equipment
The Vigicon Projector
Vigicon Tracing Unit for Manual Input of
Graphic or Alphanumeric Information
Exploded View of Scopus II-P Plotting Projector
Stromberg-Carlson S-C 1100 Inquiry Display Station
CDC (Data Display, Inc.) Integrated Display Console dd 13
CDC (Data Display, Inc.) 210 Inquiry/Retrieval
System Station Unit
Management Display System Developed by
Information Displays, Inc.

Pushbutton Controls for IDI Management Display Systems
IBM 2250 Display Unit
IBM 2260 Display Station
A NIXIE® Tube
NIXIE® Device
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Navy Management Information System
An Underground Command Post
A Military Communications Status Center
Simulated Executive Meeting in an Information
Management Facility, showing Display of
Computer-Generated Information
Operations Briefing Room United Air Lines
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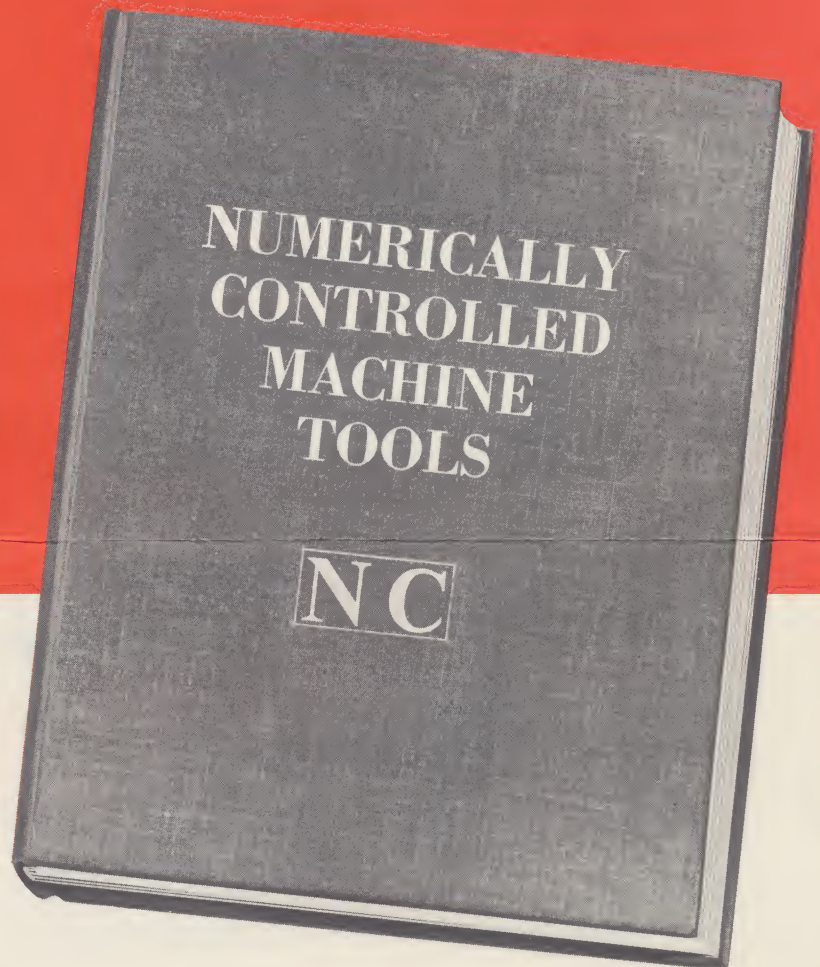
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Addenda —

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ABOUT THE AUTHORS

H. CLIFTON MORSE, President of Wyatt & Morse, Inc., Management Consultants, is the co-author with E. E. Wyatt of the widely acclaimed **Cost Reduction Guide — for Manufacturing Management**, and an exponent of "autofactoring". He is acknowledged as an authority on the impact of automation on organization functions.



DAVID M. COX is a consultant. As senior partner in Cox & Cox he has served International Harvester, General Electric, Sears Roebuck, the Boating Industry Association, and many others. His latest project, supported by a subsidiary of the Ford Foundation, deals with the implications of recent innovations in education.

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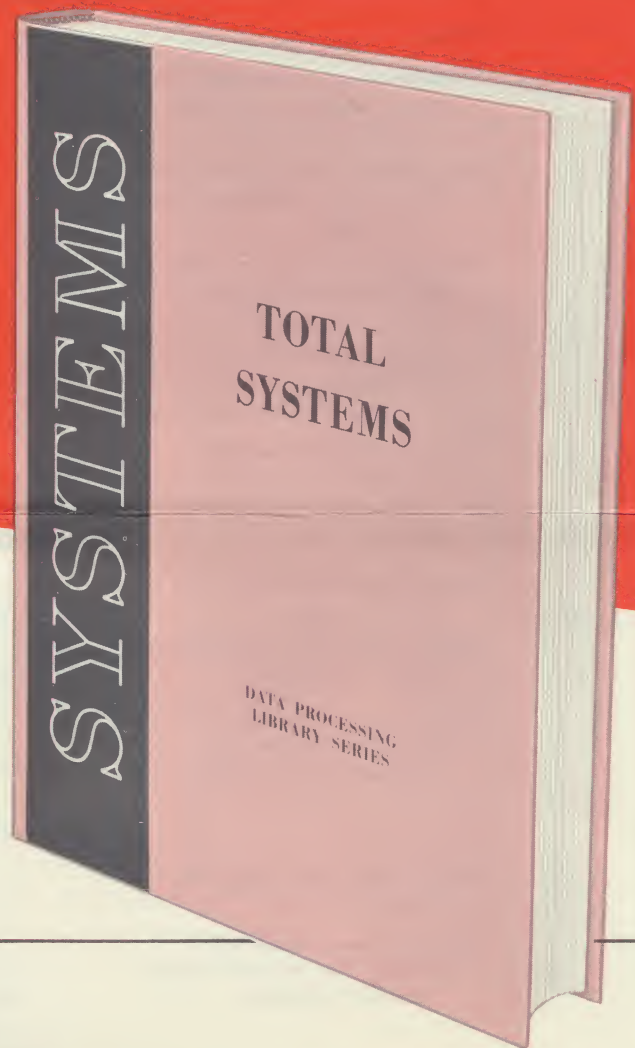
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Preface	5	Total Command, Management, and Administrative Systems William B. Worthington	34
A Management Look at Data Processing: Promise, Problem, and Profit Douglas J. Axsmith	7	The Systems Approach to Effective Management Enoch J. Haga	50
Total Systems - A Concept of Procedural Relationships in Information Processing J. W. Haslett	16	Modern Management Concepts of Computer Systems Richard W. Reynolds	54
The Scope of Management Systems: Past, Present, and Future Adrian McDonough	20	Total Systems Approach to Business Management Arthur H. Pike	59
A Total Approach to Systems and Data Processing E. R. Dickey and N. Louis Senensieb	25	Data Processing Techniques for Management by Exception H. E. Schmit	63
Understanding Total Systems A. Richard De Luca	30		

PLANNING TOTAL SYSTEMS

Planning the Total Information System James L. Becker	66	Managerial Responsibility in Planning for Computers Robert V. Lewis	77
Effective Electronics Planning and Programming Harry L. Spaulding	71	Planning Considerations E. F. Cooley	81
Total Systems Approach to Automatic Data Processing Planning Carl Barnes and Charles C. Weaver	74	Systems Analysis - A City Planning Tool Stanford L. Optner	84

IMPLEMENTING TOTAL SYSTEMS

Second Generation Computers Charles F. Winter	88	The Role of Management Consultants in Implementing Business Systems Joseph Hayden	103
Data Processing Follow-Up: Feedback Plus Systems Analysis Maurice F. Ronayne	96	A Real Time System for Banking Robert E. Fendrich	106

CASE HISTORIES

Allis-Chalmers Manufacturing Company: Applying Control Concepts to an Organization Donald P. Chrystal, Thomas G. Guenther, and Eldo C. Koenig	110	Martin-Marietta Corporation: Centralized Operations Control	148
Monsanto Chemical Company: A Total Systems Approach to Marketing William A. Clark	130	Canadian Pacific Railway Company: Integrated Data Processing	161
Lumbermens Mutual Insurance Company: Conversion to Data Processing A. B. Curchin	143	Bibliography	173
		Author Index	200

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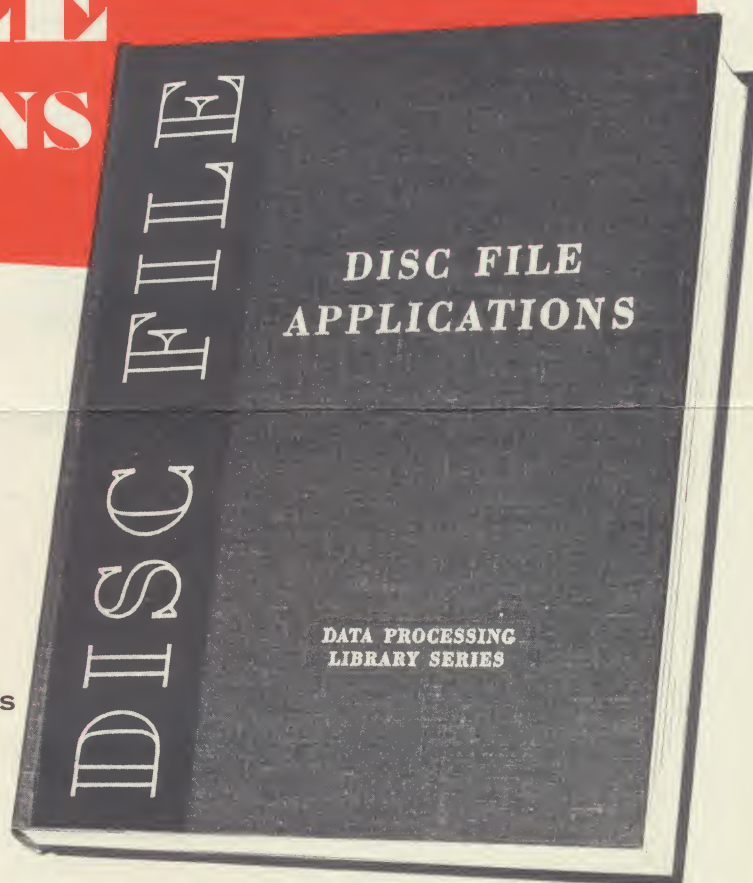
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